

Cleveland Gas Systems, LLC



Gas Transfer System

"Changing the way industry combines and separates gases and liquids"

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Cleveland Gas Systems



• Who We Are:

Commercial process equipment company

• What We Do:

- Design and manufacturer a highly efficient process improvement product call the <u>GasTran™</u>
- Technology combines or separate liquids and gases

• We Are Not:

A research or consulting company



GasTran can...



- Improve beverage quality & bottling
- Reduce boiler maintenance
- Reclaim oil used in industrial process
- Improve oil well production
- Remove gasoline from ground water



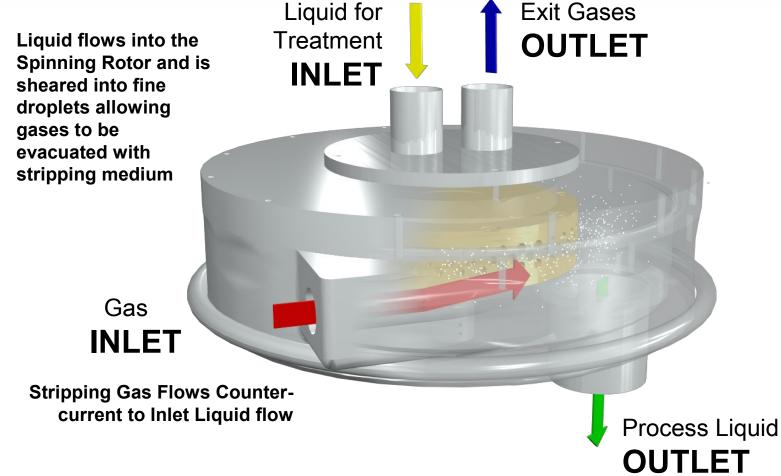
GasTran: What does it do?

- Uses mechanical forces to separate or combine gases & liquids
 - Deaeration or gas removal
 - Less than 2 part per billion with gas stripping
 - Aeration or gas diffusion
 - 100% saturation of liquid with oxygen, ozone and CO2
 - Emulsification
 - Produces stable emulsions by dispersing fine solid particles or organic materials into a liquid
- Reduces required size



GasTran: How it works







Commercial Products







Model HP-B

Model HP-A



Application Focus



Many Potential Applications	Applications Experience 2005	Top Applications for 2006/2007
Separation	Separation	Separation
Deaeration – water	Deaeration – water	Deaeration – water
Boilers	Boilers	•Boilers
•Beverage	Beverage	•Beverage
Oil Field	∘Oil Field	Oil Field
Stripping – VOC (MTBE)	Stripping – VOC (MTBE)	Distillation
Distillation	Distillation	Combination
Oil Dehydration	Oil Dehydration	Aeration
H2S Removal	Combination	Ozonation
De-sulfurization	•Aeration	•C02
Combination	Emulsification	
Aeration	Ozonation	
Emulsification	•CO2	
Ozonation		
•CO2		
Chemical & Bio-chemical Reaction		
Absorption & Desorption		

Goal: Continue to narrow scope of application testing, development and sales



Market Applications



- Water deaeration
 - Industrial boilers
 - Beverages
 - Secondary oil recovery
- Industrial Wastewater Treatment
 - Removal of volatile organic compounds (VOC's)
 - Ozonation
- Gas recovery from viscous fluids
 - Biodiesel
 - Ethanol



Summary



- Commercial Product
- Management Team
- Evolving Market Focus
- Initial Customers
- Growing Pipeline





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